

WHAT IS CLAIMED IS:

1. A roaster for roasting coffee beans comprising:
a roasting chamber having a top and a bottom;
a cover seated on said top of said roasting chamber;
a base on which said bottom of said roasting chamber is seated;
means provided in said base for supplying hot airflow into said roasting
chamber for heating coffee beans;

5 at least one air opening formed on said bottom for enabling said airflow to
enter said roasting chamber; and

10 a wind tunnel provided over said at least one air opening and having an
inlet and an outlet for increasing the speed of said airflow in said roasting chamber as
said airflow passes through said wind tunnel.

15 2. The roaster as defined in claim 1 further including a deflector
positioned above said outlet of said wind tunnel for deflecting the coffee beans carried by
said air stream exiting said wind tunnel.

20 3. The roaster as defined in claim 2 wherein said deflector is attached
to said bottom of said roasting chamber by an elongated post, and said wind tunnel is
suspended from said deflector by a plurality of support arms.

4. The roaster as defined in claim 3 wherein said wind tunnel is spaced
above said at least one opening to enable the coffee beans from said bottom of said
roasting chamber to be carried into said wind tunnel by said airflow.

25 5. The roaster as defined in claim 4 wherein said wind tunnel has a
generally cylindrical configuration and a diameter which substantially encompasses said
at least one opening on said bottom of said roasting chamber.

6. The roaster as defined in claim 2 wherein said deflector has a rounded top for preventing coffee beans from resting on a top of said deflector.

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7. The roaster as defined in claim 1 wherein said wind tunnel is spaced above said openings to enable the coffee beans from said bottom of said roasting chamber to be carried into said wind tunnel by said airflow.

10 8. The roaster as defined in claim 7 wherein said wind tunnel has a generally cylindrical configuration and a diameter which substantially encompasses said at least one opening on said bottom of said roasting chamber.

15 9. An apparatus for increasing airflow in a coffee bean roaster including a roasting chamber having a top and a bottom, a cover seated on the top of the roasting chamber, a base on which the bottom of the roasting chamber is seated, and at least one air opening formed on the bottom of the roasting chamber for enabling airflow to enter the roasting chamber from a fan provided in the base, said apparatus comprising:

20 a wind tunnel provided over the air opening and having an inlet and an outlet for increasing the speed of the airflow in said roasting chamber as the airflow passes through said wind tunnel; and

a plurality of support arms for suspending said wind tunnel above the at least one air opening on the bottom of the roasting chamber.

25 10. The apparatus as defined in claim 9 further including a deflector positioned substantially above said outlet of said wind tunnel for deflecting coffee beans carried by the air stream exiting said wind tunnel.

11. The apparatus as defined in claim 10 wherein said deflector is attached to the bottom of the roasting chamber by an elongated post, and the wind tunnel is suspended from said deflector by said plurality of support arms.

5 12. The apparatus as defined in claim 11 wherein said wind tunnel is spaced above the opening to enable coffee beans from the bottom of the roasting chamber to be carried into said wind tunnel by the airflow.

10 13. The apparatus as defined in claim 12 wherein said wind tunnel has a diameter which substantially encompasses the opening on the bottom of the roasting chamber.

14. The apparatus as defined in claim 10 wherein said deflector has a rounded top for preventing coffee beans from resting on top of said deflector.

15 15. A roaster for roasting coffee beans, comprising:
a roasting chamber;
means for supplying heated airflow into said roasting chamber;
a cover seated on top of said roasting chamber;
20 at least one opening provided on said cover for allowing smoke from said roasting chamber to exit therefrom; and
a smoke vent attachment removably mounted on said cover for receiving smoke exiting through said at least one opening on said cover;
wherein said vent attachment is configured and adapted to be removably
25 connected to an elongated vent pipe for channeling the smoke away from said roaster.

16. The roaster as defined in claim 15 wherein said smoke vent includes a substantially cylindrical ring portion having a diameter which encompasses said at least one opening on said cover.

17. The roaster as defined in claim 16 wherein said smoke vent includes a plurality of arms attached to and extending from a first end of said ring portion, wherein said arms are configured to extend beyond a circumference of said ring portion so as have
5 said vent pipe removably connected to said ring portion.

18. The roaster as defined in claim 16 wherein said smoke vent includes a plurality of foot attach to and extending from a second end of said ring portion for engaging corresponding plurality of mounting holes formed on said cover.